

YANIV BRANDVAIN

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EDUCATION

- PhD. Indiana University. Department of Biology. Expected degree: 2010
Ecology, Evolution & Behavior. Advisors: Michael J. Wade & Leonie C. Moyle.
- B.A. College of the Atlantic. Human Ecology. 2004.

PUBLICATIONS

- Brandvain, Y., C. J. Goodnight, & M. J. Wade 200X. Maternal transmission and the simultaneous identity by descent of mitochondrial and symbiont genomes. *In prep.*
- Brandvain, Y. 200X. Matrisibs, patrisibs, and the evolution of genomic imprinting. *Manuscript to be submitted.*
- 7. Brandvain, Y. & M. J. Wade. 2009. Transfer of mitochondrial genes to the nucleus: The effects of selection, mutation, population size and rate of self-fertilization. *Genetics* 182: 1129-1139.
- 6. Wade, M. J. & Y. Brandvain. 2009. Reversing mother's curse: Selection on male mitochondrial fitness effects. *Evolution* 63: 1084-1089.
- 5. Brandvain, Y. & M. J. Wade. 2007. The evolution of competition and policing: opposing selection within and among groups. *BMC Evolutionary Biology* 7:203.
- 4. Flurkey K., Y. Brandvain, S. E. Klebanov, S. N. Austad, R. A. Milled, R. Yuan & D. E. Harrison. 2007. PohnB6F1: a cross of wild and domestic mice that is a new model of extended female reproductive life span. *Journal of Gerontology: Biological Sciences* 62: 1187-1198.
- 3. Brandvain Y., M. S. Barker & M.J Wade. 2007. Gene co-inheritance and gene transfer. *Science* 315: 1685.
- 2. Brandvain, Y. & D. Haig. 2005. Divergent mating systems and parental conflict as a barrier to hybridization in flowering plants. *American Naturalist* 166: 360-366.
- 1. Salinas S., Y. Brandvain, R. Anderson, J. Martin, R. L. Preston, G. W. Kidder III & C. W. Petersen. 2004. Reproductive ecology of *Fundulus heteroclitus* and *Fundulus diaphanus* in a New England watershed. *The Bulletin of the Mount Desert Island Biological Laboratory* 43: 115-117.

FELLOWSHIPS, GRANTS & OTHER AWARDS

- Doctoral Dissertation Improvement Grant. NSF 2009. \$15,000 research.
- Common Themes in Reproductive Diversity. NIH Training Grant 2009. \$24,000 stipend / year X 1 year.
- Graduate Research Fellowship. NSF. 2006. \$30,000 stipend /year X 3 years.
- William H Drury Award. Outstanding Biology Student. 2004. College of the Atlantic.
- Barry Goldwater Fellow. 2003. \$7,000 stipend / year X 1 year.
- Maine IDeA Network for Biomedical Research Excellence Undergrad Fellow. 2003.

INVITED SEMINARS AND CONFERENCE PRESENTATIONS

- The functional transfer of mitochondrial genes to the nucleus: Theory meets data.
University of Vermont, Burlington, VT. 2009. (Invited Seminar)
Evolution, Minneapolis, MN. 2008. (Talk)
Molecular Biology & Evolution, Halifax, NS. 2007. (Talk)
- Genes in context: Nonrandom associations and evolutionary dynamics.
College of the Atlantic, Bar Harbor, ME. 2009. (Invited Seminar)
- Some extensions of the conflict theory of genomic imprinting.
Evolution, Moscow, ID. 2009. (Talk)

SERVICE

- Organizing committee: IU Animal Behavior Conference. 2009.
- Graduate student liaison. IU. 2006 – 2008.
- Chair, activities committee: IU Graduate Recruitment Weekend. 2008.
- Academic affairs committee. College of the Atlantic. 2002 – 2004.
- Search committee. Faculty in plant sciences search. College of the Atlantic. 2003.
- Admissions committee. College of the Atlantic. 2002 – 2003.